

IN THE CLAIMS

1. (Cancelled).

Claim 2 has been amended as follows:

2. (Currently Amended) A medical device adapted for interaction with a subject to obtain a sample from airways of the subject, said medical device comprising:

an analysis unit for automatically quantitatively analyzing said sample with regard to a content in the sample of at least one protein selected from the group of proteins consisting of SP-A, SP-B, SP-C and SP-D; and said analysis unit including a calculation unit that, from the quantitative analysis of the sample, automatically determines whether any protein in said group of proteins is deficient in said sample[.]; and a dosing unit connected to said analysis unit for automatically producing and dosing a medicament having a therapeutically effective dose of a replacement substance for remedying any deficiency of any protein in said group of proteins determined by said calculation unit.

Claim 3 has been cancelled.

3. (Cancelled)

Claim 4 has been amended as follows:

4. (Currently Amended) A medical device as claimed in claim [[3]] 2 wherein said dosing unit comprises at least one reservoir containing said replacement substance.

Claim 5 has been amended as follows:

5. (Original) A medical device as claimed in claim [[3]] 2 comprising a delivery arrangement connected to said dosing unit and adapted for interaction with the airways of the subject to deliver said medicament to the subject.

6. (Original) A medical device as claimed in claim 5 wherein said delivery arrangement comprises a dosing tube adapted for insertion into the trachea of the subject.

Claim 7 has been amended as follows:

7. (Original) A medical device as claimed in claim [[3]] 2 wherein said replacement substance comprises a substance selected from said group of proteins consisting of SP-A, SP-B, SP-C and SP-D.